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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,302	01/02/2004	Guilherme L. Indig	032026-0769	8802
23524 7	590 04/19/2006		EXAMINER	
FOLEY & LARDNER LLP 150 EAST GILMAN STREET P.O. BOX 1497			GRAFFEO, MICHEL	
			<u></u>	
			ART UNIT	PAPER NUMBER
MADISON, WI 53701-1497		1614		
			DATE MAILED: 04/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.	Applicant(s)					
10/751,302	INDIG, GUILHERME L.					
Examiner	Art Unit					
Michel Graffeo	1614					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
ecember 2005.						
This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
4)⊠ Claim(s) <u>1-8 and 10</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) 1-8 and 10 is/are rejected.						
7) Claim(s) is/are objected to.						
r election requirement.						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage					
Paper No(s)/Mail Da						
	Examiner Michel Graffeo Dears on the cover sheet with the cover son the cover sheet with the cover sheet with the cover sheet son the communication of the communication of the cover sheet son is non-final. The except for formal matters, process action is non-final. The except for formal matters, process parte Quayle, 1935 C.D. 11, 45. The except for son is non-final. The except for formal matters, process parte Quayle, 1935 C.D. 11, 45. The except for formal matters, process parte Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45. The except for formal matters, process parter Quayle, 1935 C.D. 11, 45.					

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DETAILED ACTION

Status of Action

Claims 1-8 and 10 are pending and examined.

Applicant has amended claim 6, canceled claim 9 and provided arguments for the patentability of claims 1-8 and 10 in the response filed 1 December 2005.

Applicant's arguments, see response, filed 1 December 2005, have been fully considered and are persuasive to the extent that the Indig reference is removed as a reference under 35 USC §102 and 35 USC §103 and Fiedorowicz is removed as a reference under 35 USC §102. Therefore, the rejection of claims 1-4 and 6-8 and 10 under 35 USC §112 and 35 USC §102, have been withdrawn as well as the Double Patenting rejection in light of the approved Terminal Disclaimer. However, upon further consideration, a new ground(s) of rejection is made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

Claims 1-8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fiedorowicz et al. (cited by Applicant on the IDS filed 20 May 2004 page 2 of 6, #12) in view of Reed et al. The Tuor-inhibitory Activity of Diaryl-and Triarylmethane Dyes. Cancer Research (1953), 13, 130-6 in view of Indig G.L (cited by Applicant on the IDS filed 1 December 2005 page 3 of 6, #6).

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Fiedorowicz discloses (in current claims 1-8 and 10; see abstract, pages 857-858) a method of purging leukemia cells from human blood cells by contacting the mixture with a photoreactive compound and exposing it to radiation to photoactivate the compound.

Fiedorowicz does not show the compound of the instant claims.

Reed et al. teach that Crystal Violet, for example, has anti-tumor properties and of 235 dye compounds was among the most reactive anti-tumor compounds (in current claims 1-8 and 10; see page 135).

Indig teaches that photoreactive compounds such as Crystal Violet (in current claims 1-8 and 10; see page 233) are efficacious in the treatment of neoplastic diseases.

One of ordinary skill in the art would have been motivated to combine the above references and as combined teach the claimed invention as claimed. One of ordinary skill in the art would have been motivated to combine the above references primarily because Indig teaches that photoreactive compounds such as Crystal Violet are efficacious in the treatment of cancer. Fiedorowicz further teaches specific cancers that are treatable with photoreactive compounds. And finally, both Reed and Indig teach that Crystal Violet has anti-cancer properties. Thus, the combined references teach and make prima facie obvious how to use the claimed invention at the time that it was made.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the

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unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-8 and 10 are rejected on the ground of nonstatutory double patenting over claims 1-26 of U. S. Patent No. 6,914,078 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully claimed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows: a method of purging/killing cancer cells comprising contacting the cells with a compound having the following general structure:

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Response to Arguments - 35 USC § 112

Applicant's arguments filed 1 December 2005 have been fully considered and are persuasive for the reasons of record.

Response to Arguments - 35 USC § 102

Applicant's arguments filed 1 December 2005 have been fully considered and are persuasive for the reasons of record.

Conclusion

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michel Graffeo whose telephone number is 571-272-8505. The examiner can normally be reached on 9am to 5:30pm Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on 571-272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Business Center (EBC) at 866-217-9197 (toll-free).

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

13 April 2006 MG

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